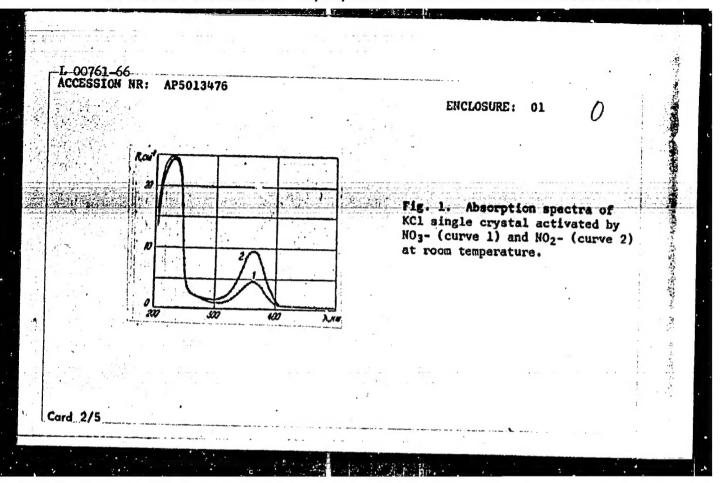
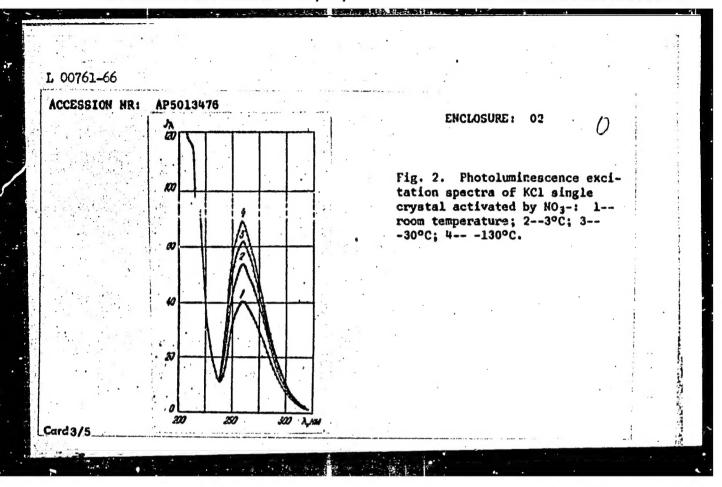
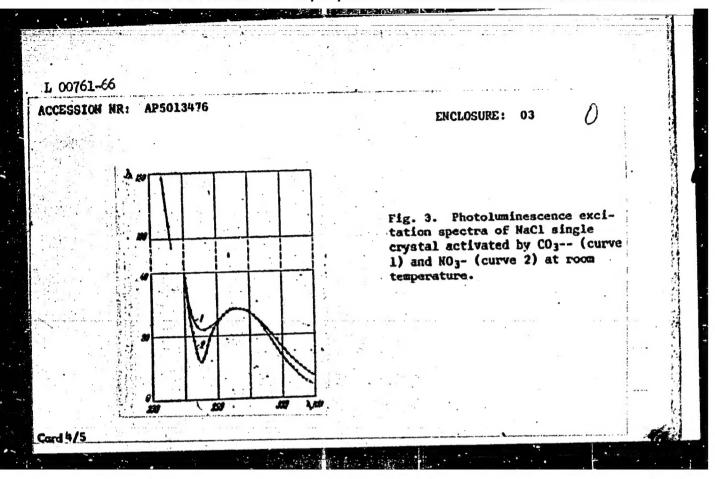
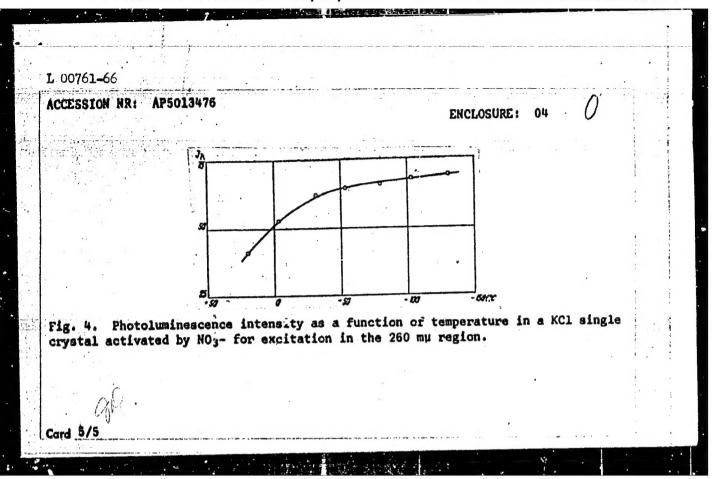
L 00761-66 EVT(1)/EVT(m)/EVF(t)/EVP(b) IJF(c) JD ACCESSION NR: AP5013476 UR/0185/65/010/005/0538/0542 AUTHOR: Vyshnevs'kyy, V. N. (Vishnevskiy, V. N.); Pidzyraylo, (Pidzyraylo N. S.) TITLE: Photoluminescence excitation spectra of NaCl and KCl single crystals activated by oxygen-containing impurities SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 5, 1965, 538-542 TOPIC TAGS: photoluminescence single crystal, excitation spectrum, absorption spectrum, sodium chloride, potass'um chloride, crystal impurity ABSTRACT: Photoluminescence excitation spectra were studied in NaCl and KCl single crystals activated by CO3, NG3 and NO2 impurity ions. The study was made in the -130 to +120°C temperature range. The activating ion content varied from 0.01 to 5 wt. %. The absorption spectra of the specimens were taken. It was found that the excitation spectra of these crystals are made up of two bands: 200-215 mu and 260-165 mu. The possible nature of these bands is discussed. Orig. art. has: 4 figures. ASSOCIATION: L'vivs'kyy derzhuniversytet im. Iv. Franka (L'vov State University) SHEMITTED: 29Jun64 ENCL: 04 SUB CODE: SS, OP NO REF SOV: OTHER: 009 **Card 1/5** 









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VISHNEVSKIY, V.N. [Vyehnevs'kyi, V.N.]; VUS, Ya.M.; KULIK, L.N. [Kulyk.

L.M.]; MARCHUK, Ye.P. [Marchuk, IE.P.]; ROMANYUK, N.A.[Romaniuk.

M.O.]

Reflection spectra in the vacuum region of the spectrum.

Ukr. fiz. zhur. 10 no.2;222-223 F '65. (MIRA 18:4)

1. L'vovskiy gosudarstvennyy universitet im. I. Franko.

BRILINSKIY, M.I. [Brylyns'kyi, M.I.]; VISHNEVSKIY, V.N. [Vyshnevs'kyi, V.N.];
PIDZYRAYLO, N.S. [Pidzyrailo, M.S.]; Sotov'IEVA, Yu.N. [Soloviova, IU.M.]

Absorption capacity of synthetic rubies in the region of a resonance doublet. Ukr. fiz. zhur. 10 no.4:427-431 Ap '65.

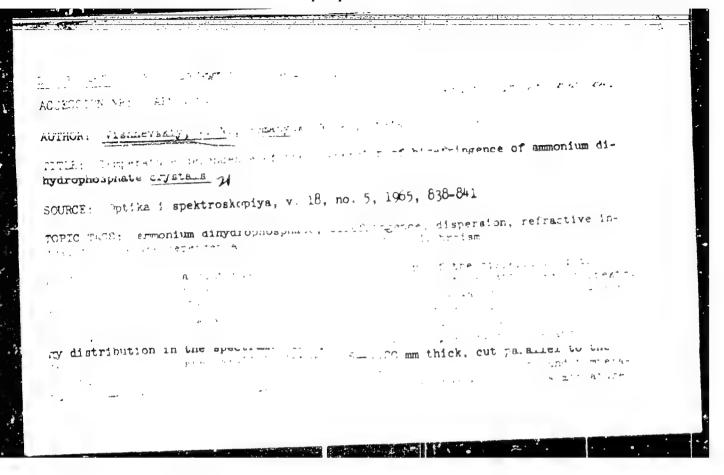
(MIMA 18:5)

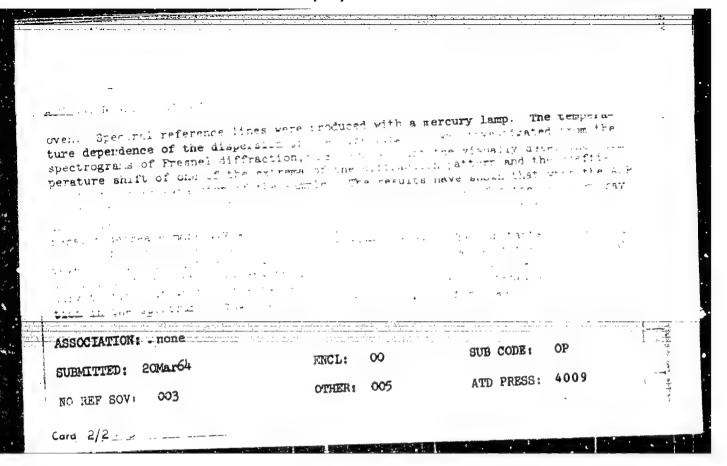
1. L'vovskiy gosudarstvennyy universitet im. Iv. Franko.

VISHNEVSKIY, V.N.; PIDZYRAYIO, N.S.; SDIDV'YEVA, Yu.N.

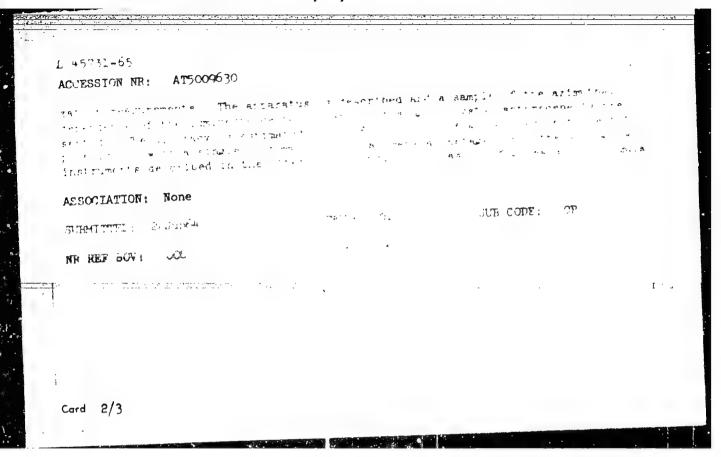
Temperature dependence of the absorption capacity of synthetic ruby pin the region of a resonance doublet. Opt. 1 spektr. 12 no.3:517-520 Mr '65.

(MIRA 18:5)



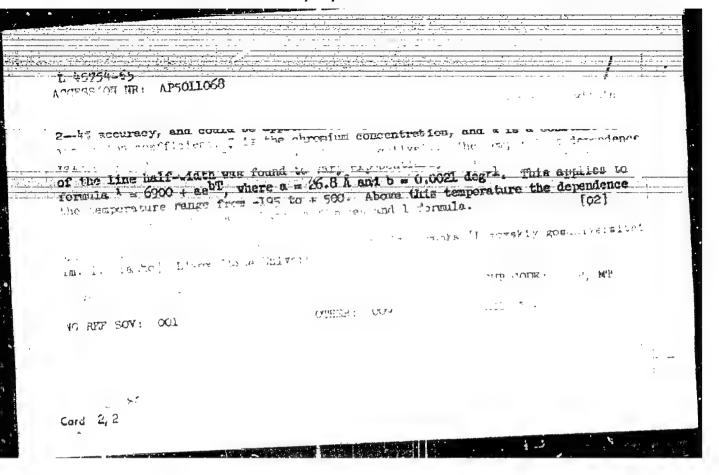


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AUTHOR: Brylyna'kyr, M. I. (Brillian), M. S. (Pidzyraylo, M. S.); Bylovyova, Yu. M. (Solov'yeva, Yu. N.); Pidzyraylo, M. S. (Pidzyraylo, M. S.); Bylovyova, Yu. M. (Solov'yeva, Yu. M.);
TIME: Absorption of synthetic rubies in the region of the resonance
TOPIC TAGE: synthetic ruby, resonance doublet, line width, doublet spacing, temporature dependence, chromium impurity  Perature dependence, chromium impurity  ARSTRACT: The apsorption spectral is principle which were investigated in the re-



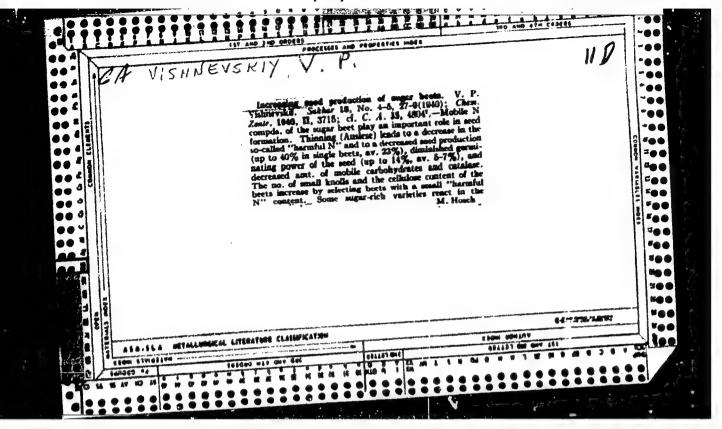
VISHNEVSKIY, V.N. [Vyshnevs'kyi, V.N.]; CHYP, R.G. [Hnyp, R.H.];

STEFANSKIY, I.V. [Stefans'kyi, I.V.]

Temperature dependence of the refractive capacity of NaI--Tl single crystals. Ukr. fiz. zhur. 9 no.8:867-869 Ag '64.

(MRA 17:11)

1. L'vovskiy gosudarstvennyy universitet im. I. Franko.



### Wishnevskiy, V.P. "Mikhailovskiy Pereval" state farm struggles for the carrying out of the decisions of the March (1962) Plenum of the Central out of the CPSU. Kons.i ov.prom. 17 no.10:18-21 0 (MIRA 15:9) 162. 1. Sovkhoz "Mikhaylovskiy pereval". (Krasnodar Territory—State farms) (Fruit culture)

USSR/Cultivated Plants - Fruits. Berries.

М

: Ref Zhur Biol., No 12, 1958, 53778 Abs Jour

Author

Vishnevskiy, V.P.

Inst

Title

: Orchard Irrigation

Orig Pub

: Sad i ogorod, 1956, No 5, 55-58

Abstract

: On the basis of experimentation made by the Dagestan Canning Trust, a new system of orchard irrigation is recommended. The irrigation furrows are cut with a fivegang P-5-35 plow with the 2 and fourth gangs removed. Along with this, the mineral fertilizers and animal manure can be applied simultaneously. After watering, the cut furrows are disked across with a garden disk

harrow. -- K.P. Garina

Cord 1/1

## VISHNEVSKIY, V.P. Tomato culture on the "Horodnyi Veleten'" state farm. Kons. i ov. prom. 14 no.6:32-35 Je '59. (MHRA 12:8) 1. Khersonskoye oblastnoye upravleniye sel'skogo khozyaystva. (Kherson Moonomic Region—Tomatoes)

VISHNEVSKIY, V. P.

V. P. Vishnevskiy, "The Quality of Catalase in the Beet Root, and the Resistance of Sugar Beets to Botrytis cineraa during Storage," Biokhimiia, vol. 5, no. 4, 1940, pp. 408-416. 385 Bi 23

SO: Sira Si 90-53, 15 Dec 1953

Biochemical Lab., Ivanov Sellection Station Ukr SSR.

NORDRN, A.P.; VISHNEVSKIY, V.V.

Complex representation of invariants of a four-dimensional Riemann space. Izv. vys. ucheb. zav.; mat. no.2:176-182 59.

(MIRA 12:5)

Lenina.

(MIRA 12:5)

(Calculus of tensors)

- 1. KIRICHENKO, F. G. : IL'ICHYEVA, N. V. : YISHNEVSKIY, V. V.
- 2. USSR (600)
- 3. Wheat Ukraine
- 4. Selection of wheat varieties for irrigation conditions in the southern Ukraine. Sel. i sem. 20 No. 3. 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

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wittermental of	Monferentslys po agrometeorologii i agroklimatologii Ukrainskoy SSR	dnskoy SSR
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are: wintering potato degenera References acco	are: wintering, planting time for winter crops, corn cultivation, potato degeneration, moisture supply, and adverse seather factors. References accompany individual articles.	cultivation, her factors.
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Buchinskiy, I. Ye.	Buchinshir, I. Ve. [Uzrainien Scientific Research Fydromet, Institute] Climatic Study of Subbovays (Dry Minds) in the Uzraine	t, Institute]
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Porestry and Agrof.	Mailipo, Ta. A. (Urrainian Scientific Research Institute for Porestry and Agroforestration) Effective Sonse of Shalter Balta	
Bubinsier, G.P. (m.	Ribinsky, Q.P. [Khar bow State University] Microclimate of Irri- gated Lands	
Anaichnovich, A.V.	Joseph Rydromer, J.Y. [Unrainian Scientific Research Rydromer, Institute] Microclimatic Study of Unrainian Pocthilla	Institute 170
Golitaberg, I.A. (Nicroclimatic Maps	<u> 901'isberg. I.A.</u> [Main Geophysical Observatory] Compiling Detailed Microclimatic Maps	Detailed 182
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Rudenko, A.K. (All-Union Institute of Glimatic Conditions on the Degeneratio Ande of Phytophthore (Parasitic Parasi	Rudenko, A.I. (All-Union Institute of Crop Science) The Effect Cilastic Conditions on the Degraration of Potstons and the Appa side of Phytophthora (Parasitic Panel)	9.3
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MOROZOV, Nikolay Viktorovich, doktor tekhn. nauk; ARBUZOV, Nikolay
Terent'yevich, kand. tekhn. nauk; GRGGOV, Vasiliy Lukich
kand. tekhn. nauk [deceased]; KALISHUK, Aleksandr
Luk'yanovich, kand. tekhn. nauk; KURHATOV, Dmitriy
Ivanovich, kand. tekhn.nauk; PILYUGIN, Mikhail Semenovich,
kand. tekhn. nauk; KHUTORYANSKIY, Aleksandr Abramovich,
kand. tekhn. nauk; SHERENTSIS, Aleksandr Abramovich, kand.
tekhn. nauk; LAVRIK, Gennadiy Ivanovict, arkh. MADERA,
Georgiy Il'ich, inzh.; PINSKIY Ye'im Alonovich, inzh.;
SHKIYAR, Aleksandr Samoylovich, inzh.; BERGER, K.V., red.;
VISHNEVYY, V.V., red.; ISHCHENKO, N.S., red.

[Manual on civil engineering] Spravochnik po grazhdanskomu stroitel'stvu. Izd.5., perer. i dop. Kiev, Eudivel'nyk, 1965. 2 v. (MIRA 18:2)

### VISHNEVSKIY, V.V. Complex structures of a class of Kähler-Rashevskii spaces. Dokl. AN SSSR 149 no.2:233-236 Mr 163. (MIRA 16:3)

1. Kasanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. Predstavleno akademikom A.N.Kolmogorovym. (Spaces, Generalized) (Matrices)

Cally designation of the contract

LUKER'IN, Andrey Andrianovich; VISHNEVYY, V.V., red.; HERGER, K.B., red.

[Geodetic tables of coordinate increments, elevations, circular curve elements, and square roots of numbers] Geodezicheskie tablitsy prirashchenii koordinat, prevyshenii, elementov krugovykh krivykh i kvadratnykh kornei iz chisel. Kiev, Budivel'nyk, 1965. 130 p. (MIRA 18:10)

VISHNEVSKIY, V. V., CAND TECH SCI, GINVESTIGATION OF MAGNETIC CIRCUITS OF TELEPHONE AND MINATURE CONTROL RELAYS." LENINGRAD, 1961. (MIN OF COMMUNICATIONS USSR, Clutural by warming Linest of Communications in Prof. Leningrad Electrotechnical Inst of Communications in Prof. M. A. Bonch-Bruyevich). (KL, 3-61, 214).

183

16(1)

AUTHORS:

Vishnevskiy, V. V., and Norden, A.P.

507/140-59 -2-17/30

TITLE:

On the Complex Representation of the Invariants of a Four-Dimensional/Space (O kompleksnow predstavlenii invariantov chetyrekhmernogo rimanova prostranstva)

THE REPORT OF THE PARTY OF THE

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959.

Nr 2, pp 176-182 (USSR)

ABSTRACT:

The complex representation of the tensors of the Riemann'an space V as it is described in the papers of A.P.Norder /Ref 1:27 is used in order to determine the base of a complete second order system of invariants for the  ${\bf v}_4^{}$ . The obtained results in

essential are already contained in the papers of Gehenieu and Debever Ref 3 and P.I.Petrov Ref 47. The present paper, however, gives simpler and clearer formulations of the final results. The consideration is performed for a Riemannian space with the signature 2, but the given invariants remain independent for an arbitrary signature.

There are 4 references, 3 of which are Soviet, and ! Belgian. ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I.Uliyanova Lenina

(Kazan' State University imeni V.I.Ul'yanov-Lenin) January 17, 1959

SUBMITTED:

Card 1/1

DRANNIKOV, Abram Markovich, prof., doktor geod.-min. nauk;
VISHNEVIY, V.V., red.; LEUSHCHENKO, W.L., tekhn. red.

[Engineering geology] Inzhenernaia geologiia. Izd.2.,
dop. 1 ispr. Kiev, Gosstroiizdat USSR, 1964. 254 p.

(MIRA 17:3)

KIRICHENKO, F. G.; IL'ICHEVA, H. V.; VISHEEVSKIY, V. V.

The second secon

Ukraine - Wheat

Selection of wheat varities for irrigation conditions in the southern Ukraine. Sel. i sem. 20, No. 3, 1953.

Monthly List of "ussian Accessions, Library of Congress, June 1953. Unclassified.

VISHNEVSKIY, V.Yu., as orvostudomany kandidatusa(Leningrad)

Cholecystography of a normal gallbladder in a child. Gyermekgyo-gyassat 11 no.3:72-80 Mr '60.

(CHOLECYSTOGRAPHY in inf & child)

# VISHNEVETSKIY, F.Ye. Application of novocaine block in closed cranial trauna [with summary in English, p.67]. Vop.neirokhir. 22 no.2:32-34 M-Ap '58. (NIRA 11:4) 1. 2-ya Astrakhanskaya oblastnaya klinicheskaya bol'nitsa. (CRAHIUM, wds. & inj. exper., eff. of procaine block in prev. of cardiac compl. (Rus) (ANESTHESIA, REGIONAL, effects, procaine block on exper. cranial inj. in prev. of cardiac compl. (Rus) (HEART DISEASE, experimental, prod. by cranial inj., prev. by procaine block (Rus)

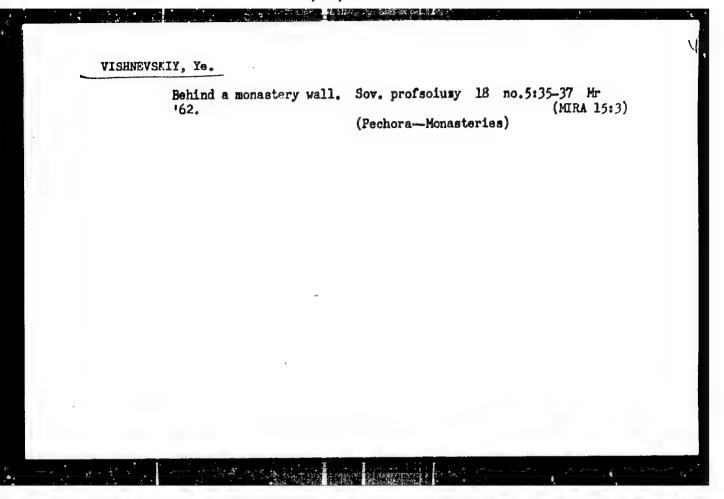
VISHNEVSKIY, Ye.

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18 no.4138-40 F '62. (MIRA 1513)

(Pechora--Monasteries)

VITAL'YEV, N.; BELOBORODOV, V., shturman (Penza); VISHNEVSKIY, Ye. (Baku)

By telephone and telegraph from airplanes. Grazhd.av. 25 no.12:13
D '63. (MIRA 17:2)



VISHNEVSKIT. Ic. (g.Severo Zadonsk, Tul'skoy obl.); TSIOMENKO, V.

(g.Sever. Zadonsk, Tul'skoy obl.)

They take an interest in everything. Sov.shakht. 10 nu.12:26

D'61.

(Gommunist Youth League)

VISHNEVSKIY, Ye. I.

Ye. I. Vishnevskiy and S. L. Gekhtman (Mekhanobr)

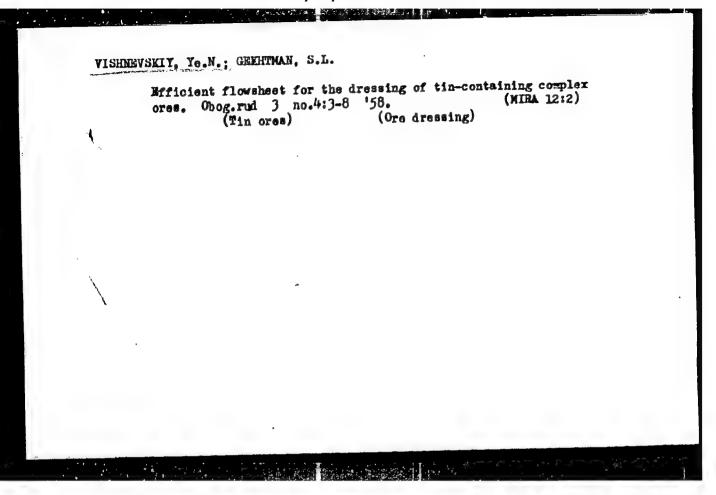
"The beneficiation of cassiterite-containing ores"

report presented at the 4th Scientific and Technical Session of the Mckhanobr Inst, Leningrad, 15-18 July 1958

IZHAITEL', S.A., otv. red.; SKURAT, V.K., otv. red.; ZUBAREV, S.N., otv. red.; MOISEYEV, S.L., otv. red.; ASTAF'YEVA, A.V., kand. tekhn. nauk, red.; VAS'KOVSKIY, Ye.L., red.; VISHNEVSKIY, Ye.L., red.; KRIVTSOV, B.S., red.; KOROTKIN, I.N., red.; MITROFANOV, S.I., doktor tekhn. nauk, red.; NORKIN, V.V., kand. tekhn. nauk, red.; RUDNEV, A.P., red.; SLASTUNOV, V.G., red.; TKACHEV, F.A., red.; RAUKHVARGER, Ye.L., kand. tekhn. nauk, red.; FEOKTISTOV, A.T.[deceased], red.; ZAYTSEV, A.P., red.

[Safety regulations for the dressing and sintering of ferrous and nonferrous metal ores] Pravila bezopasnosti pri obogashchenii i aglomeratsii rud tsvetnykh i chernykh metallov. Moskva, Nedra, 1964. 106 p. (MIRA 18:4)

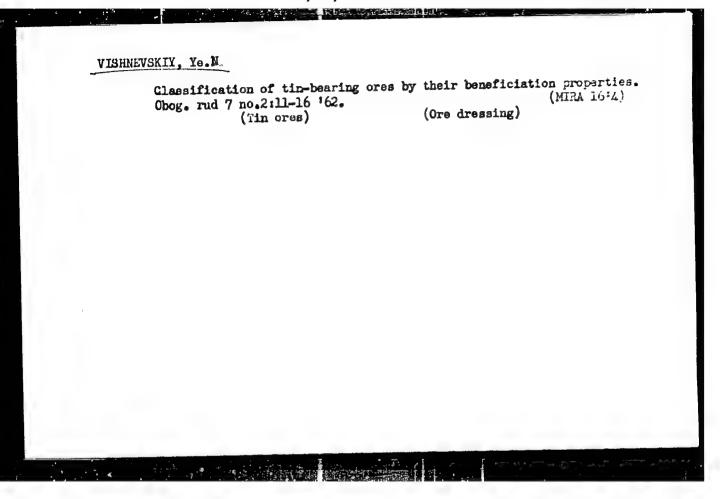
1. Russia (1917- R.S.F.S.R.) Gosudarstvermyy komitet po nadzoru za bezopasnym vedeniyem v promyshlennosti i gornomu nadzoru.



VISHNEVSKIY, Ye.N.; STREL'TSYN, V.G.

Crushing and grinding of stanniferous ores before gravity concentration. Obog. rud 9 no.4:11-17 '64.

(MIRA 18:5)



s/137/62/000/003/039/191 A006/A101

AUTHORS:

Vishnevskiy, Ye. N., Yeskin, S. I.

TITLE:

Combined methods of processing complex oxidized tin-containing ores

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 13, abstract 3088

("Obogashcheniye rud", 1961 no. 2, (32) 10 - 16)

The authors present some preliminary results of investigations on the extraction of Pb, Cu, Zn and Bi from "stable" oxidized Sn-containing ores. The characteristic feature of the ores investigated is the fact that they are in a state of particularly strong decomposition: the clay content attains in individual samples > 50%. The basic component of these ores are Fe and Mn hydroxides and silicates. Laboratory tests show that Cu, Pb and Bi can be successfully separated-out according to methods which include both roasting and flotation of the roasted products. For Cu and Bi reduction roasting is most effective in the presence of small chlorine amounts (reasting time is 20 - 30 minutes, consumption of salt is 0.5 - 1.5%; of coal 1 - 1.5%) for Pb extraction sulfidizing roasting is most suitable (temperature about 800°C, pyrite consumption 10 - 15%). Pb extraction

Card 1/2

Combined methods of processing complex...

S/137/62/000/003/039/191 A006/A101

is 68 - 81% at 36 - 42% content in the concentrate. Cu extraction is 79 - 87% at 20 - 29% content. Sn remains almost fully in the flotation tails.

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A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

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EWP(q)/EWT(m)/BDS

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ACCESSION NR:

R: AR3005869

SOURCE: RZh. Avtomatika, telemekhanika i vy\*chislitel'naya tekhnika, Abs. 7 Bl78

AUTHOR: Vishnevskiy, Ye. V.; Pyankov, Yu. A.

TITLE: The calculation of oscillating regions in a ferromagnetic film parametron

CITED SOURCE: Sb. Vy\*chisl. sistemy\*. Vy\*p. 2. Novosibirsk, 1962, 24-30

TOPIC TAGS: parametron, ferromagnetic film parametron

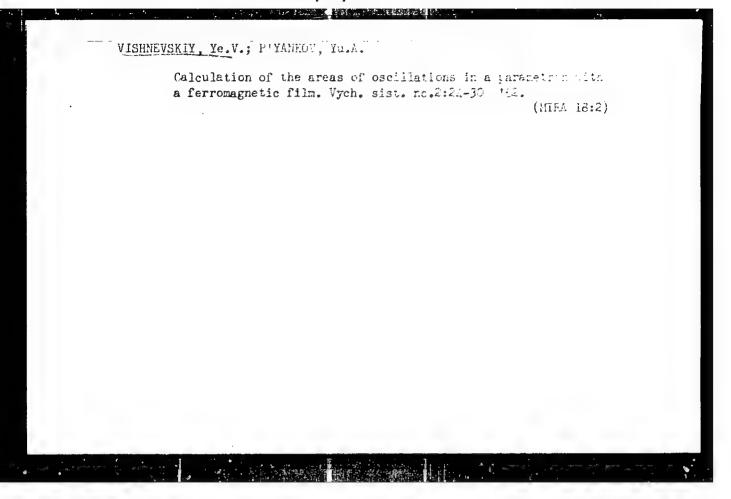
TRANSLATION: The calculations were made by means of a system of equations which was reduced to a single differential equation if it is assumed that the winding of the parametron covers the film completely and that losses in the winding and the capacitance of the parametron can be neglected. The equation obtained in this way was solved on an electronic digital computer by Euler's method. A number of the parameters in the equation were varied in the course of the solution. The author presents graphs of the obtained relationships which can be used as guides in solving forecaptotic film parametrons. There are nine illustrations. G. V.

DATE ACQ: 15Aug63

SUB CODE: GE, MM

ENCL: 00

Card 1/1



VISHNEVSKIY, Ye.Ye.

Pulse method for determining the thermal characteristics of moist materials. Trudy NIKFI no.2:73-90 158.
(MIRA 13:5)

(Heat -- Transmission)

to the company deposit from the control of the cont

#### VISHNEVSKIY, Yu.B.

Clinical variations of allergic reactions in children caused by penicallin. Pediatriia no.8:78-83 '62. (MIRA 15:10)

1. Iz kafedry detskikh bolezney Voyenno-meditsinskoy akademii imeni S.M.Kirova (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. M.S.Maslov [deceased] i Okruzhnogo voyennogo gospitalya (nachal'nik N.I.Tarasenko).

(PENICILLIN-TOXICOLOGY)
(ALLERGY)



USSR/Medicine - Physiology FD-2786 Card 1/1 Pub 154-7/19 Author : Vishnevskiy, Yu. B. Title : Change in the content of bromine in the blood of rheumatic children in relation to disturbances of their higher nervous activity Periodical : Zhur. vys. nerv. deyat. 5, 211-218, Mar-Apr 1955 Abstract : Investigated the variation in the content of bromine in the blood of 33 rheumatic children, ranging in age from 5 1/2 to 15 years, in relation to disturbances in the relationship between the stimulatory and inhibitory processes in the cerebral cortex, at various stages in the development and course of the rheumatic process. Tables; graphs. Five references, all USSR (4 since 1940). Institution : Chair of Children's Diseases of the Military-Medical Academy imeni S. M. Kirov. Submitted : September 28, 1954

VISHEEVSKIY, Yu.B., kandidat meditsinskikh nauk (Leningrad)

Discussion on N.M. Davydov's article, "Prolonged phlebotensimetry and its clinical value in mitral stenosis." Terap. arkh. 27 no.6: (MIRA 9:2) 81-84 155.

(MITRAL STENOSIS, physiology, phlebotonometry)

VISHNEVSKIN, YU.B.		
Limited 1. Linear Linea	معينية المراقع الم	
	Accumulation of bromino in the blood and its subsequent be elimination in children in dependence on intake of various doses of acdium bromide. Yu. B. Visimevskii (S. M. Kirav Military Med. Acad., Leningnad). Fixid: Zhur. S.S.R. 41, 525-31(1955)—Daily administration of NaBr to children at doses above 0.6 g. exsults in a peaked curve of Br conen. in the blood, the peak being higher with ligher doses; this occurs during the 1-2 days immediately after the initiation of the expt. At very high doses (4-0 g.) the peak is reached somewhat later and the decline is irregular. Individual variations are great. Very long administration of high-dose levels usually leads to considerably reduced tendency for Br to accumulate further in the blood, owing possibly to deposition of Br in the tissues, particularly the nervous system.  G. M. Kosolapoff	

CIA-RDP86-00513R001860110002-2" APPROVED FOR RELEASE: 09/01/2001

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# VISHNEVSKIY Yu. B.

True (cross) transposition of the large vessels in children. Vup.

(MIRA 12:12)

okh.mat. i det. 4 no.4:85-88 Jl-Ag 159.

1. Iz kafedry detakikh bolezney (nach. - deystvitel nyy chlen AMN SSSR, zasluzhennyy deyatel nauki, prof. M.S. Maslov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova i detskogo otdeletsinskoy ordena Lenina akademii imeni S.M. Kirova i detskogo otdeleniya (nach. - kand.med.nauk Yu.B. Vishnevskiy) Okruzhnogo voyennogo niya (nach. G.M. Golub).

(CORONARY VESSELS--ABNORMITIES AND DEFORMITIES)

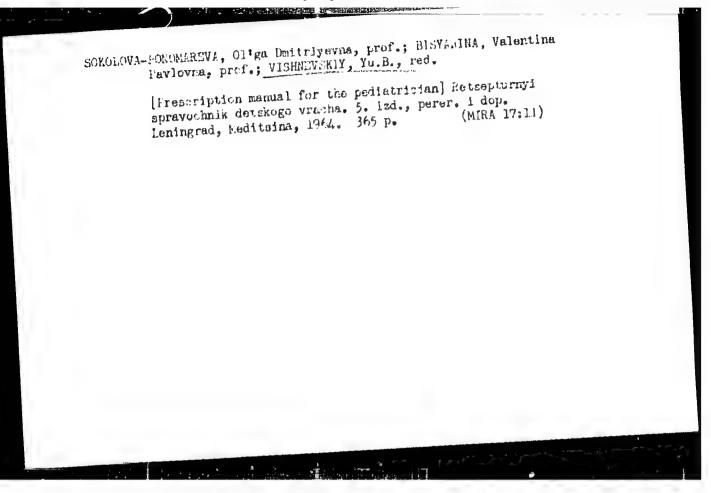
... VISHNEVSKIY, Yu.B., kand.med.nauk

Cholocystographic picture of the normally functioning gall bladder in children. Vop.okh.mat.i det. 4 no.6:33-39 N-D '59.

(MIRA 13:4)

1. Is kafedry detskikh bolezney Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. M.S. Maslov) i okruzhnogo voyennogo gospitalya (nachal'-nik G.M. Golub).

(GALL BLADDER--RADIOGRAPHY)



VISHNEVEKIY, Yu.B., kand.med.nauk

Anaphylactic reaction to penicillin. Klin.med. 38 no.3:128-129
(MIRA 16:7)

(ANAPHYLAXIS) (PM:ICILLIN—TOXICOLOGY)

VISHNEVSKIY, Yu.B., kand.med.nauk; KRINITSKIY, A.F.

Clinical evaluation of the various methods of studying gastric acidity in children with catheterization. Sov.med. 25 no.1:99-105 Ja '62.

(MIRA 15:4)

1.Iz kafedry detskikh bolezney Voyenno-meditsinskoy akademii imeni S.M.Kirova (nachal'nik - deystvitel'nyy chlen AMN SSSR prof.

M.S.Maslov [deceased]) i Okruzhnogo voyennogo gospitalya (nachal'nik V.F. Borozenko).

(GASTRIC JUICE)

VISHNEVSKIY, Yu.B., kand.med.nauk

So-called infectious eosinophilosis. Pediatriia no.7:43-47 (MIRA 14:9)

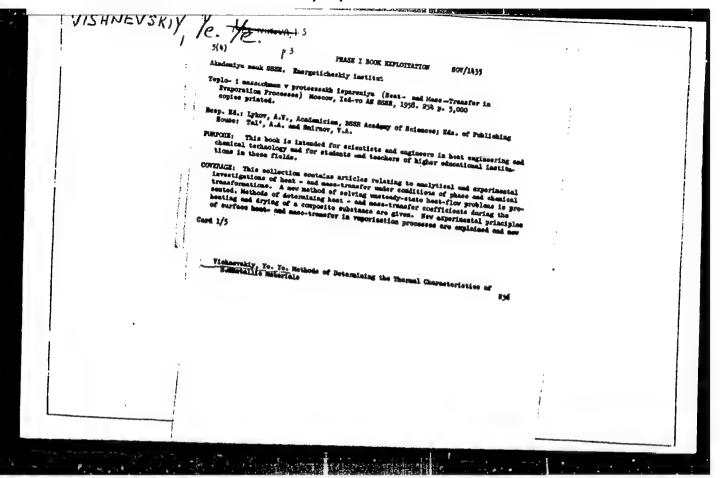
1. Iz kafedry detskikh bolezney Voyenno-meditsinskoy akademii imeni S.M. Kirova (nach. - deystvitel'nyy chlen AMN SSSR prof. M.S. Maslov) i Okruzhnogo voyennogo gospitalya (nach. I.N. Tarasenko).

(EOSINOPHILES)

VISHNEVSKIY, Yu.S. [Vyshenevs'kyi, IU.S.]; SHIROKOV, B.G. [Shyrokov, B.H.]

Manufacture of chrome leather by the liming method without coating. Leh. prem. no.4:24-25 O.P. \*62. (MIRA 16:5)

1. Nikolayevskiy kozhevenno-phuvnoy kozhinat (for Vishoevskiy). 2. Ukrainskiy nauchno-issledovatel skiy institut kozhevennoobuvnoy prompshlennosti (for Shirokov).



VISHNEVSKIY, Z.A.; BARINOVA, O.N., red.; TRUSOV, N.S., tekhn. red.

[Repair of cameras] Remont fotoapparatov. Moskve, Gosbyt(MIRA 16:12)
izdat, 1963. 205 p.
(Cameras—Maintenance and repair)

VISHNEVSKIY, Zakhar Arkad yevich; ZHUROV, V..., retsenzent;
BARINOVA, O.N., red.

[Repair of amateur motion-pictures] Remont liubitel'skikh kinos"emochnykh kamer. Moskva, Legkaia industriia, 1965. 186 p. (MIRA 18:2)

BIRYUKOV, Pavel Fedorovich; DOTLIBOV, Arkadiy Mikhaylovich; ROMANETS,
Tat'yana Yaropolkovna; EPSHTEYN, Vladimir L'wevich;
VISHNEVYY, V., red.; YEREMINA, I., tekhn.red.

[Freestanding reinforced-concrete bathrooms; their manufacture and use] Nenesushchie zhelezobetonnye prostranstvennye sanitarno-tekhnicheskie kabiny; opyt izgotovleniia i primeneniia. Kiev, (MIRA 16:6) (Bathrooms)

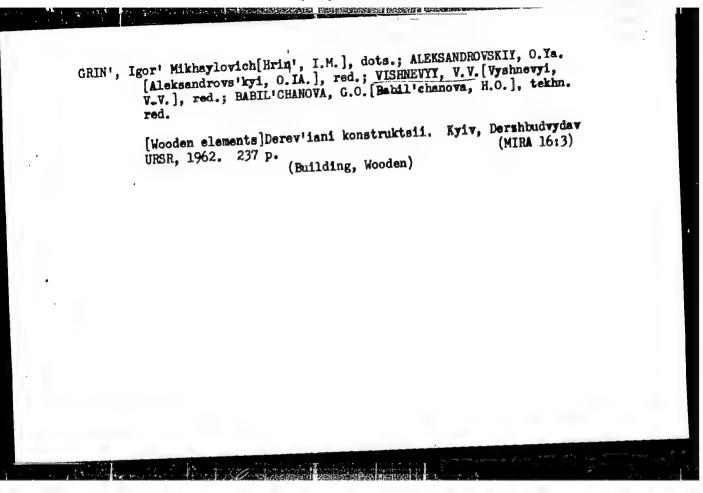
BOL'SHAKOV, Valeriy Alekseyevich, kand. tekhn. nauk; GORGLKIII,
Anatoliy Vasil'yevich, kand. tekhn. nauk, dots.;
KONSTARTHOV, Yuriy Mikhaylovich, inzh.; KRASHISKIY,
Mikhail Sergeyevich, kand. tekhn. nauk, dots.; FOFCV,
Vladimir Nikolayevich, kand. tekhn. nauk, dots.; Frinimal uchastiye DENISENKO, I.D., inzh.; VISHNEYYY, V.V.,
red.

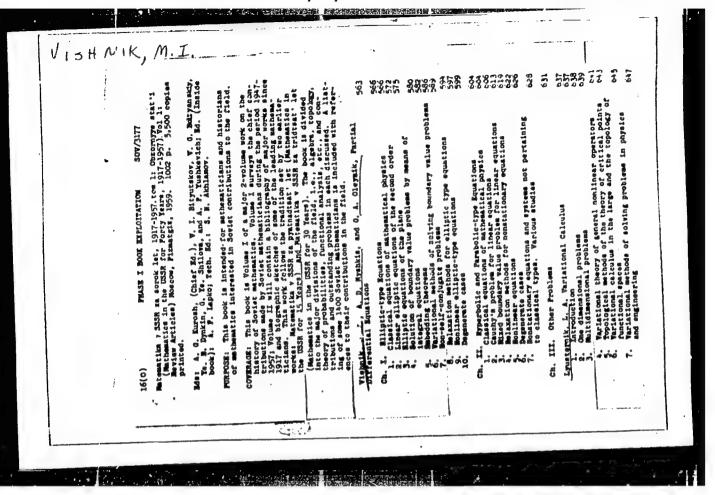
[Collection of problems in hydraulics] Sborn'k zadach to gidravlike. [By] V.A.Bol'shakov i dr. Kiev, Budivel' k, 1964. 291 p.

YEKEL'CHIK, Moisey Solomonovich; VISHNEVYY, V.V., red.; YEREMINA, I.A., tekhn. red.

[Concise handbook for the superintendant of construction operations] Kratkii spravochnik proizvoditelia stroitelynykh rabot. Izd.2., perer. i dop. Kiev, Gosstroiizdat USSR, 1963. 668 p.

(Construction industry—Handbooks, manuals, etc.)





VISHNIKIN, Aleksandr Ivanovich, aspirant

Conversion of the equivalent circuit of an asynchronous motor with power supply by an a.c. network. Izv. vys. ucheb. zav.; elektromekh. 3 no.6:73-87 60. (MIRA 15:5)

1. Kafedra elektricheskikh mashin Kiyevskogo politekhnicheskogo instituta.

(Electric motors, Induction)
(Equivalent circuits)

VISHNIKIN, LEKSANDR IVAHOVICH, aspirant

Method for calculating the work characteristics of an asynchronous motor operating in the presence of frequency variations. Izv. vys. ucheb. zav.; elektromekh. 4 no.7:26-40 '61. (MIRA 14:7)

1. Kafedra elektricheskikh mashin Kiyevskogo politekhnicheskogo instituta.

(Electric motors, Induction)

CIA-RDP86-00513R001860110002-2" APPROVED FOR RELEASE: 09/01/2001

VISHNIOVSKAYA, A.A.

Yeliceyev, V.G. and Vishniovskaya, A.A. "The influence of repeated injections of threoidin' on the reactivity of the cell elements of the connective tissues of the white rat", Trudy Cmskogo med. in-ta im. Kalinina, No. 12, 1948, p.121-30.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 7 1949).

CIA-RDP86-00513R001860110002-2" APPROVED FOR RELEASE: 09/01/2001

# BARTENEY, G.M.; VISHNITSKAYA, L.A.

Comparison of various equations for the deformation of network polymers with experimental data. Vysokom.soed. 4 no.9:1324-1332 5 62. (MTRA 15:11)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti i Problemnaya laboratoriya fiziki polimerov Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni V.I. Lenina.

(Polymers)

(Elastomers--Testing)

BARTENEV, G.M.; VISNICKAJA, L.A. [Vishnitskaya, L.A.]

Effect of temperature on the relaxation property of rubber polymers. Chem prum 13 no.2:97-99 F '63.

1. Vedeckovyzkumny ustav gumarenskeho prumyslu, Moskva.

BARTANEV, G.M.; VISHNITSKAYA, L.A.

Rheological properties of polyisobutylene. Vysokom. soed. 6 no.4:751-757 Ap '64. (MIRA 17:6)

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1. Moskovskiy gosudarstvennyy pedagogicheskiy institit imeni V.I. Lenina; Nauchno-issledovateliskiy institut rezinovoy promyshlennosti.

ACCESSION NR: APh032578

AUTHORS: Bartenev, G. M.; Vishnitskaya, L. A.

TITLE: Rheological properties of polyisobutylene

SOURCE: Vy\*sokomolek. soyedin., v. 6, no. 4, 1964, 751-757

TOPIC TAGE: shearing stress, rheology, viscosity, shear deformation, high molecular weight, polyisobutylene

ABSTRACT: New data were presented on the shearing stress and the temperature effects on the viscosity of high-molecular weight (900 000) polyisobutylene (PIB).

The shear stress varied between 0.01 and 1 kg/cm² and the temperature range from 20 the shear stress varied between 0.01 and 1 kg/cm² and the temperature range from 20 to 1h0C. The shear deformation rates d % /dt show a sharp drop in value with time for small loads (0.01h), but they show an equally sharp rise after the drop for the heavy load (1.0 kg/cm²) cases. Several empirical and analytical expressions are in the shear load P, e.g., given relating d % /dt to the shear load P, e.g.,

and an expression for the viscosity of PIB as a function of the load P

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ACCESSION NR: AP4032578		<i>f</i>	
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compared to the data obtain	ned experimentally. The res	ulta indicate	that' ha and al
	additivity of the logarithm $ g_A /c = \sum  g_{A }(X_t) $		
ASSOCIATION: Moskovskiy go	osudarstvenny*y pedagogiches	kiy institut ir	. V. I. Lenina
promy*shlennosti (Institute	of Scientific Research in	l'skiy institut the Rubber Indi	rezinovoy stries)
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(Moscow State Teachers Inst promy*shlennosti (Institute SUEMITTED: 13Jun63 SUB CODE: OC	NO REF SOV: 008	l'skiy institut the Rubber Indu	erezinovoy estries)  ENCL: 00  OTHER: 007
promy*shlennosti (Institute SUEMITTED: 13Jun63	of Scientific Research in	l'skiy institu the Rubber Indu	ENCL: 00

VISHNITSKAYA, L. A.

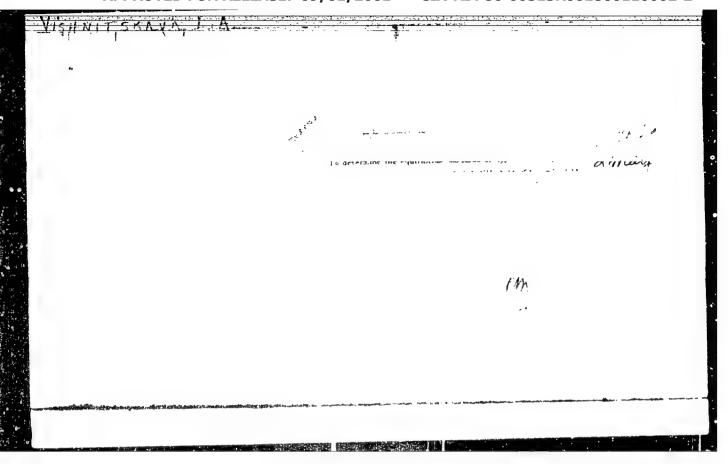
USSR/Physics - Elasticity Rubber Jul 50

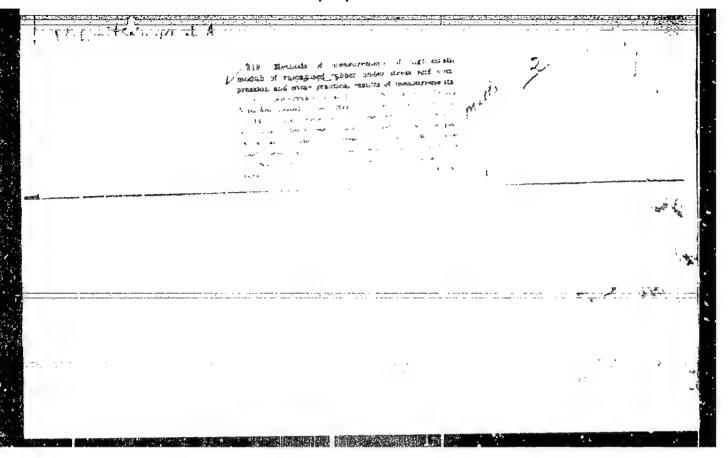
"High-Elastic Properties of Noncrystallizing Rubber," G. M. Bartenev, L. A. Vishnitskaya, Chair of Chem and Phys of Rubber, Moscow Inst of Fine Chem Technol imeni Lomonosov

"Zhur Tekh Fiz" Vol XX, No 7, pp 858-865

Describes method for obtaining equilibrium curves of tension, results of measurements on vulcanizers of butadiene styrol rubber, and comparison of theories of high-elastic deformation with experiments. Submitted 19 Mar 49.

PA 164T69





VICHILITONAYA, L. A.

Vishnitskaya, L. A.

"The effect of caoutchouc and dispersion fillers on the relaxation and equilibrium properties of rubber." Floscow Inst of Fine Chemical Technology imeni N. V. Lomonosov. Sci Res Inst of the Rubber Industry. "Oscow, 1956 (Dissertation for the degree of Candidate in Chemical Sciences)

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Knizhnaya <u>letopis</u>! No. 25, 1956. Moscow

Category: USSR/Atomic and Molecular Physics - Physics of high-molecular substance D-S

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 1007

: Bartenev, G.M., Vishnitskaya, L.A. Author

: Scientific Research 12st. of the Rubber Industry, Moscow Inst

Title : Effect of Dispersed Fillers on the Relaxation Properties of Rubber.

CO. 10 TO THE PROPERTY OF THE

Orig Pub: Kolluid. zh., 1956, 18, No 2, 135-144

Abstract: The relaxation of stresses in filled rubber. consists of three processes: relaxation of the chains, relaxation due to the separation of the rubber chains from the filler particles and to the regrouping of the filler particles (relaxation of filler), and chemical relaxation. A prolonged stress relaxation of rubber made of SKS-30 latex with various amounts of active filler (candel lampblack) and inactive filler (chalk) was investigated at a deformation of 100%. It is shown that the relaxation time of the chains and

> of the chemical relaxation, making it possible to distinguish between these processes. The usually observed relaxation process in rubber with active filler is caused only by the establishment of equilibrium with respect to the

chains.

: 1/1 Card

BARTENEV, G.M.; VISHNITSKAYA, L.A.

Effect of temperature on the viscosity of fluorine-containing rubber. Vysokom. soed. 7 no.11:1905-1907 N 165.

(MIRA 19:1)

1. Nauchno-issledcvatel'skiy institut rezinovoy promyshlennosti. Submitted December 8, 1964.

VISHRITSKAYA, L.A.

Physical properties of rubber made from siloxane and fluorinecontaining compounds. Kauch. i rez. 23 no.2:17-20 F 164. (MIRA 17:3)

1. Nauchno-issledovateliskiy institut rezinovoy promyshlennosti.

ACCESSION NR: AP4017163

\$/0138/64/000/002/0017/0020

AUTHOR: Vishnitskaya, L. A.

TITLE: Physical properties of rubbers on siloxane and on fluorine-bearing bases

Land Market Mark

SOURCE: Kauchuk i rezina, no. 2, 1964, 17-20

TOPIC TAGS: rubber, siloxane, fluorine, rubber property, polymer, rubber SKT, rubber SKF, relaxation, impact modulus, impact deformation, dehermetization, expansion coefficient

ABSTRACT: Results of experiments on the physical properties of filled and unfilled rubbers (with siloxane and fluorine-bearing bases) are presented. Relexation rates, moduli (static, relative-equilibrium, impact), vitrification temperature (static and impact), temperatures of dehermetization and of crystallization, and coefficients of linear expansion were investigated. Rubbers SKT (on siloxane base, unfilled), SKT-n (on siloxane base, titanium-filled), SKF (on fluorine-bearing base, unfilled), and SKF-n (on fluorine-bearing base, carbon-filled) were studied. Relaxation characteristics and the moduli were obtained from the curves of stress relaxation at 20-2000. The relatively slow relaxation rate of rubbers SKT and

Card 1/3

# ACCESSION NR: AP4017163

SKT-n increased because of breaking and regrouping of transverse bonds and of rubber-filler bonds (also of intermolecular bonds in SKF). For SKF-n the relaxation rate was found to be independent of temperature up to 2000. Relativeequilibrium moduli for SKT and SKF are also independent of temperature, while for the filled rubbers they decrease as the temperature rises. For SKF-n this modulus at 2000 is lower than for the corresponding unfilled rubber. The same relationship is true for the static moduli because of the instability of the SKF-carbon black bonds at high temperatures. Titanium filler in SKT-n was found to form more heatresistant bonds than those of SKF-gas black. When the temperature was lowered below 2200 the impact modulus increased, slowly at first, then more rapidly. The temperature at which the change occurred was different for each rubber, and it is higher for SKT and SKT-n than for SKF and SKF-n. Impact moduli are higher for the filled than for the unfilled rubbers. In all cases the temperature of structural vitrification was found to be lower than the temperature of mechanical vitrification. In the interval 0-1250 the coefficient of linear expansion in siloxane rubbers changed twice, while in the fluorine rubbers it changed only once. The dual change in the former type is explained by these rubbers passing from the amorphous state into a partially crystalline and then into a vitreous state. Temperatures of crystallisation and vitrification are lower for the unfilled rubbers than for the filled ones. Temperatures of dehermetization are independent of

Card 2/3

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compres	sion within the rang	ge of 10-30%. It varies as show	m below.	
	Rubber	Temperature of dehermetization, C		
ř	SKT-n SKF	76.0 57.6 24.5	:	•
Orig. ar	t. has: 5 graphs a	nd 1 table.		•
ASSOCIAT	ION: Nauchno-issle fic Research Instit	dovatel'skiy institut rezinovoy ute of the Rubber Industry)	; r promy#shler	most1
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BARTENEV, G.M.; VISHNITSKAYA, L.A.

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Study of the flow of rubberlike polymers by constant rate stretching. Vysokom. soed. 5 no.12:1837-1842 D 63.

(MIRA 17:1)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti i Moskovskiy gosudarstvennyy pedagogicheskiy institut.

Z/009/63/000/002/002/004 El12/E492

AUTHORS:

Bartenev, G.M., Vishnitskaya, L.A.

TITLE:

Effects of temperature on the relaxation properties of

rubber elastomers

PERIODICAL: Chemický průmysl, no.2, 1963, 97-99

Non-filled vulcanizates from natural, butyl, butadienenitrile , butadiene and butadiene-styrene rubbers were tested for sudden stress relaxation properties at 20 and 70°C. relaxation at 20°C is closely connected with the chemical structure of the clastomer. The shortest relaxation periods were shown by natural and butyl rubber, while butadiene-nitrile rubbers took the Butadiene and butadiene-styrene rubbers had inter-Relaxation curves were in agreement with the mediate values. heats of transition of the second order: increase of irregularity of structure, presence of bulky side-chains and polar groups tend to suppress the rearrangement of the elastomer molecules and retard chain relaxation. Stress-relaxation curves at 76°C were entirely different, showing increased relaxation rates, generally about 10 times greater than at 20°C. The stress-relaxation Card 1/2

Z/009/63/000/002/002/004

Effects of temporature ...

curves at 70°C are practically identical for all types of rubber. One can conclude that the rate of chemical bond fission is the same for all rubbers at 70°C. A novel method of plotting the relaxation curves is presented, permitting to establish relaxation equilibria. There are 5 figures.

ASSOCIATION: Vědockovýzkumný ústav gumárenského průmyslu, Moskva (Scientific Research - stitute of the Rubber Industry, Moscow)

SUBMITTED: August 1, 1962

Card 2/2

5/190/62/004/009/004/014 B101/B144

AUTHORS:

Bartenev, G. M., Vishnitskaya, L. A.

TITLE:

Comparison of various equations for the deformation of cross-

linked polymers with the experiment

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 9, 1962, 1324-1352

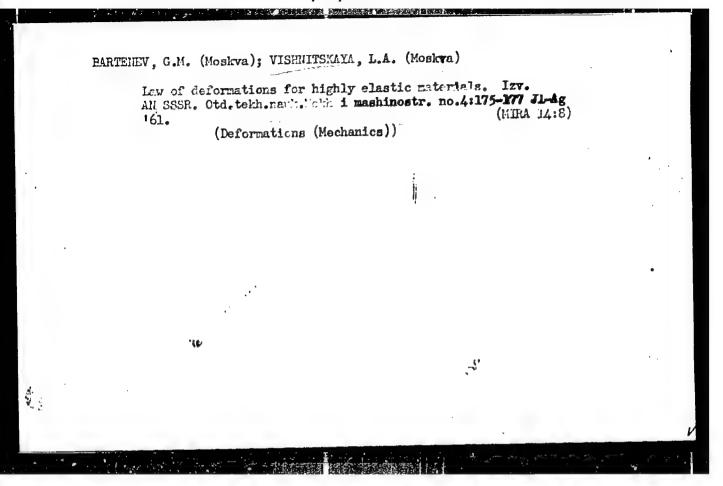
TEXT: A comparison between the published and the experimental data for uncompounded rubbers gave the following results: (1) Up to 30% elongation, the equation of the statistic deformation theory  $\sigma = G(\lambda^2 - 1/\lambda)$  is valid, where o is the true stress, G is the shear modulus, and  $\lambda$  is the degree of elongation. (2) Up to 100% elongation, the following single parameter deformation equations apply:  $\sigma = E_{\infty}(\lambda - 1)$ , where  $E_{\infty}$  is the equilibrium modulus of high elasticity, and  $\sigma = A(\lambda - 1/\sqrt{\lambda})$ , where A is a constant proportional to the absolute temperature and dependent on the type of rubber and density of network. The elasticity potential  $\gamma = A(\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + \lambda_4 + \lambda_5 + \lambda_5 + \lambda_6 + \lambda_$ 

corresponds to the second equation, which therefore is preferable. Equilibrium stretching below the point of rupture is adequately described. by the two-parameter equations of M. Mooney (J. Appl. Phys., 11, 582, Card 1/2

S/190/62/004/009/004/014
Comparison of various equations... B101/B144

1940), G. M. Martin, F. L. Roth, R. D. Stiehler (Trans. Inst. Rubber Industr., 32, 189, 1956) and by the following equation due to G. M. Bartenev, T. N. Khazanovich (Vysokomolek. soyed., 2, 20, 1960):

σ = Λ(λ - 1/\lambda - 1/\lambda \lambda \lambda \lambda + 2/\lambda \lambda + 2|\lambda \lambda + 1/\lambda \lambda \lambda \lambda + 2/\lambda \lambda - 3\rangle \lambda \lambda \lambda + 3\rangle \lambda \lambd



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5(4)

SOV /69-21-3-24/25

AUTHOR:

Vishnitskaya, L.A.

TITLE:

On the Computation of the Number of Nodes of the Space

Lattice of Elastomers

PERIODICAL:

Kolloidnyy zhurnal, 1959, Vol XXI, Nr 3, pp 370-373

(USSR)

ABSTRACT:

The author reports on her computations of the segment length of various rubber molecules, which are based on the assumption of a dependence (in a proportion of 2 to 3) of the equilibrium modulus Eco on the number of chains per unit volume of a lattice polymer. From the space lattice deformation theory (see references 1-5) the author deduces the possibility to use the mechanical method for the investigation of the structure (including its changes as due to chemical processes) of polymer space lattices. The essence of the method lies in the measuring of the equilibrium modulus E∞, whose value characterizes the density of

Card 1/3

the space lattice, i.e. the number of chains or the

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On the Computation of the Number of Hodes of the Space Lattice of Elastomers

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number of nodes per unit volume (N or N/2). The computations of the statistical molecule segment lengths of rubber (NK, SKS-30A, SKS-30, SKN-40, SKN-26, SKN-18, butyl rubber and SKB) were carried out on the basis of the Bartenev formula. The obtained data are in agreement with the experimental data of M.Kuhn, R. Stein (Soviet scientist) and A. Tobol'skiy (Soviet scientist). In order to render possible the computation of the chain number per unit volume of a space polymer, the author has presented the values of constant C for the investigated rubbers. He expresses his gratitude for the help of Professor G.M. Bartenev. There are 4 graphs and 17 references, 9 of which are Soviet, 7 English and 1 German.

Card 2/3

SOV/69-21-3-24/25

On the Computation of the Number of Nodes of the Space Lattice of Elastomers

ASSOCIATION: Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti, Moskva (Scientific Research Institute of the Rubber Industry, Moscow)

SUBMITTED: 8 April, 1959

Card 3/3

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TITLE: Effect of temperature on the viscosity of fluorine-containing rubber

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1905-1907

TOPIC TAGS: copolymer, rheologic property, polymer rheology, fluorocarbon plastic, rubber

ABSTRACT: This investigation was conducted to determine the rheological properties of the copolymer chlorotrifluoroethylene-vinylydene fluoride over a range of temperatures 20-200C. The experiments were carried out on the pure copolymer and on mixtures of copolymer and carbon black filler in a PK-1 shear apparatus under conditions of constant velocity gradient. The experimental results are presented graphically. It was found that in the temperature region of 90-130C there exists a temperature anomaly in the viscosity of the copolymer as well as in the copolymer filler mixtures. It is suggested that the optimum temperature region for mechanical treatment of fluorine-containing rubbers lies between 80 and 100C. Orig. art. has: 3 graphs.

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UDC: 678.01:53+678.743

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[Strength of tools in electric-spark machining] Stoikost' instrumenta pri elektroerozionnoi obrabotke. Leningrad, 1964. 26 p. (MIRA 17:11)

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